

Water-Data Report 2008

08169500 Guadalupe River at New Braunfels, TX

Guadalupe Basin
Middle Guadalupe Subbasin

LOCATION.--Lat 29°41'52", long 98°06'23" referenced to North American Datum of 1927, Comal County, TX, Hydrologic Unit 12100202, in second floor of abandoned turbine building at Comal Mills, 300 ft downstream from Missouri Pacific Railroad, 0.4 miles upstream from IH-35, 0.7 mile downstream from mouth of Comal River, 23.7 mi downstream from Canyon Lake, and at mile 279.3.

DRAINAGE AREA.--1,652 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Jan. 1915 to Dec. 1927 (daily mean discharge), Apr. 1974 to Sept. 1999 (annual peak discharge), Oct. 1999 to current year (daily mean gage height). Water-Quality Records: Biochemical data: Oct. 1982. Biological data: Feb. 1998. Sediment chemistry: Feb. 1998.

REVISED RECORDS.--WDR US-2006: 1999 (M)

GAGE.--Water-stage recorder. Datum of gage is 572.55 ft above NGVD of 1929. Satellite telemeter at station.

REMARKS.--Records good. Since re-activation of gage in 1974, at least 10% of the contributing drainage area has been regulated. Small diversions for irrigation above this station.

AVERAGE DISCHARGE FOR PERIOD PRIOR TO REGULATION.--12 years (water years 1916-27), 751 ft³/s (544,100 acre-ft/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 222,000 ft³/s, Oct. 17, 1998, gage height, 38.54 ft, from indirect measurement of peak flow.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1845, 39.5 ft, Aug. 1869 and in Dec. 1913, from information by local residents. Maximum discharge, 101,000 ft³/s, June 15, 1935 (gage height unknown).

EXTREMES FOR PERIOD PRIOR TO REGULATION.--WATER YEARS 1915-1928: Maximum discharge, 56,600 ft³/s, Sept. 10, 1921, gage height, 28.60 ft; minimum discharge 270 ft³/s, July 20, 1918.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 10.77 ft, Oct. 8; minimum gage height, 9.66 ft, Sept. 30.

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GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	10.64	---	---	---	---	9.82	9.87	9.87	9.82	9.73	9.76	9.80
2	10.71	---	---	---	---	9.84	9.87	9.86	9.82	9.73	9.76	9.80
3	10.71	---	---	---	---	9.84	9.87	9.85	9.81	9.73	9.76	9.80
4	10.71	---	---	---	---	9.84	9.88	9.84	9.81	9.73	9.76	9.80
5	10.71	---	---	---	---	9.83	9.87	9.85	9.81	9.74	9.76	9.80
6	10.58	---	---	---	---	9.84	9.86	9.85	9.81	9.74	9.76	9.79
7	10.51	---	---	---	9.92	9.83	9.86	9.84	9.80	9.74	9.76	9.79
8	10.66	---	---	---	9.92	9.83	9.86	9.84	9.80	9.75	9.76	9.80
9	10.71	---	---	---	9.93	9.84	9.86	9.83	9.79	9.75	9.76	9.81
10	10.71	---	---	---	9.92	9.91	9.86	9.83	9.79	9.77	9.76	9.81
11	---	---	---	---	9.92	9.86	9.86	9.83	9.78	9.76	9.76	9.82
12	---	---	---	---	9.93	9.83	9.86	9.82	9.77	9.76	9.78	9.82
13	---	---	---	---	9.92	9.87	9.85	9.83	9.78	9.76	9.78	9.82
14	---	---	---	---	9.92	9.88	9.84	9.85	9.77	9.76	9.78	9.82
15	---	---	---	---	9.92	9.88	9.84	9.83	9.77	9.75	9.77	9.81
16	---	---	---	---	9.87	9.88	9.83	9.83	9.79	9.75	9.83	9.81
17	---	---	---	---	9.87	9.88	9.84	9.84	9.78	9.75	9.79	9.81
18	---	---	---	---	9.86	9.90	9.88	9.85	9.78	9.75	9.83	9.81
19	---	---	---	---	9.85	9.88	9.84	9.86	9.77	9.76	9.81	9.81
20	---	---	---	---	9.85	9.86	9.85	9.85	9.77	9.76	9.81	9.81
21	---	---	---	---	9.85	9.87	9.85	9.85	9.77	9.75	9.79	9.81
22	---	---	---	---	9.84	9.87	9.87	9.84	9.78	9.75	9.79	9.81
23	---	---	---	---	9.84	9.87	9.87	9.83	9.77	9.76	9.81	9.82
24	---	---	---	---	9.84	9.87	9.87	9.82	9.77	9.94	9.81	9.82
25	---	---	---	---	9.84	9.87	9.86	9.82	9.76	---	9.81	9.82
26	---	---	---	---	9.85	9.88	9.88	9.81	9.76	---	9.80	9.81
27	---	---	---	---	9.85	9.88	9.86	9.81	9.76	---	9.80	9.82
28	---	---	---	---	9.83	9.87	9.85	9.81	9.76	---	9.80	9.82
29	---	---	---	---	9.81	9.87	9.85	9.79	9.76	9.76	9.80	9.81
30	---	---	---	---	---	9.87	9.87	9.79	9.74	9.76	9.80	9.76
31	---	---	---	---	---	9.87	---	9.80	---	9.76	9.80	---
Mean	---	---	---	---	---	9.86	9.86	9.83	9.78	---	9.79	9.81
Max	---	---	---	---	---	9.91	9.88	9.87	9.82	---	9.83	9.82
Min	---	---	---	---	---	9.82	9.83	9.79	9.74	---	9.76	9.76

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